

WHAT IS CLAIMED IS:

1. A coating composition comprising a solution of a substituted or unsubstituted thiophene-containing electrically-conductive polymer, a film-forming binder, and an organic solvent media; the media having a water content between ≥ 8 and > 37 weight percent; the electrically-conductive polymer is poly(3,4-ethylene dioxythiophene styrene sulfonate; and the film forming binder is between 99.9 and 52 weight percent of the total solid content of said coating composition.
2. The coating composition of claim 1 wherein the organic solvent media has a maximum water content of 35 weight percent.
3. The coating composition of claim 1 wherein the organic solvent media has a maximum water content of 10 weight percent.
4. The coating composition of claim 1 wherein the amount of electrically-conductive polymer in the total solids content of the said coating composition is from 0.1- 99.0 weight percent.
5. The coating composition of claim 1 wherein the amount of electrically-conductive polymer is between 2 and 70 weight percent of the total solids content of said coating composition.
6. The coating composition of claim 1 wherein the FILM FORMING BINDER is between 99.9 and 1 weight percent of the total solids content of said coating composition.
7. The coating composition of claim 1 wherein the FILM FORMING BINDER is between 98 and 30 weight percent of the total solids content of said coating composition.

8. The coating composition of claim 1 wherein the electrically-conductive polymer is poly(3,4-ethylene dioxothiophene styrene sulfonate).

9. The coating composition of claim 1 wherein the film-forming binder is a cellulose ester.

10. The coating composition of claim 1 wherein the film-forming binder is cellulose diacetate.

11. The coating composition of claim 1 further comprising addenda selected from the group consisting of surfactants, coating aids, dispersing aids, thickeners, coalescing aids, crosslinking agents or hardeners, soluble particle dyes, solid particle dyes, antifoggants, biocides, matte particles, lubricants, pigments and magnetic particles.

12. The coating composition of claim 1 containing total solids in an amount less than or equal to about 10 weight percent of the total coating composition.

13. The coating composition of claim 1 wherein the water content of the solvent media is between ≥ 8 and ≤ 25 weight percent.

14. The coating composition of claim 1 wherein the film forming binder is between 97 and 87 weight percent of the total solid content of the coating composition.